In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A method for transforming video data comprising an interest region by wavelet transform signal processing, comprising the following steps:

transforming the video data to high frequency image data and low frequency image data;

getting first image data recording first information responding to the interest region of the video data and second image data recording second information responding to the interest region of the video data from the high frequency image data;

setting low frequency image data as first interest region data;

combining the first image data and ~~the low frequency image~~ the first interest region data to form second interest region data;

combining the second interest region data and the second image data by bit plane coding to generate display data; and

displaying the display data with a display device.

2. (Original) The method as claimed in claim 1, wherein the high frequency image data and the low frequency image data have predetermined frequency bands.

3. (Original) The method as claimed in claim 2, further comprising the step of compressing the display data.

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4. (Original) The method as claimed in claim 3, wherein the compression form of the display data is JPEG2000.